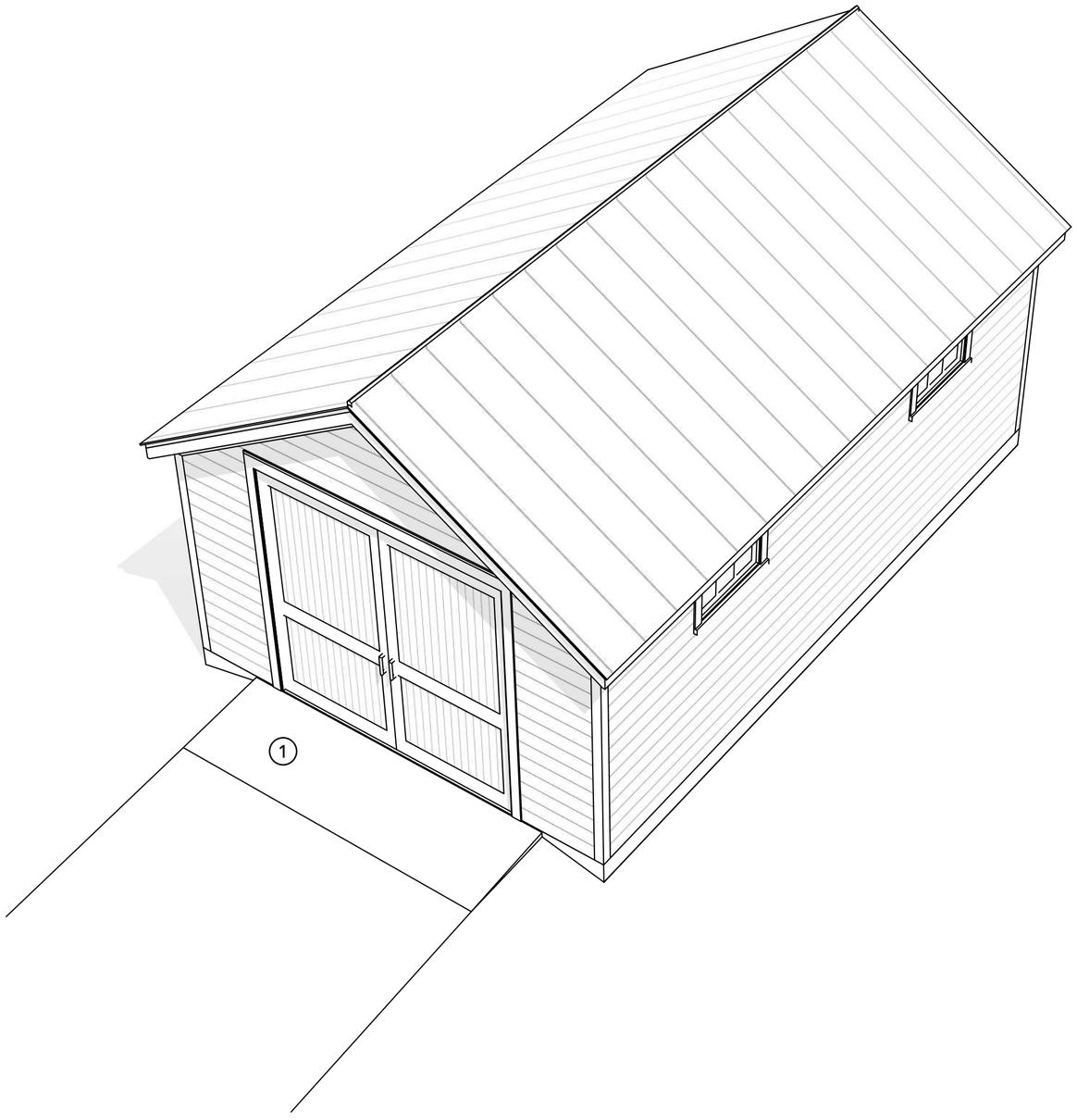
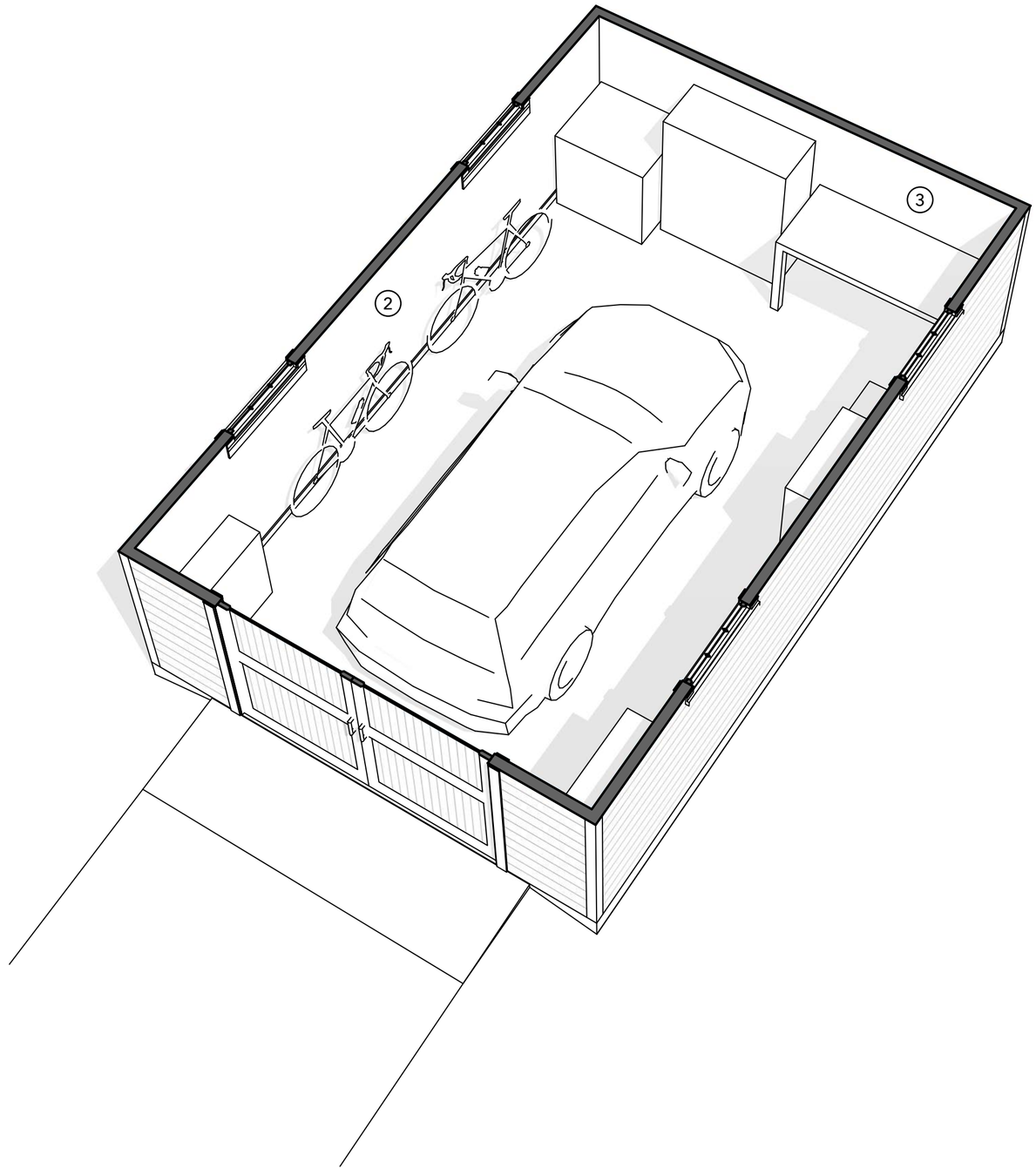




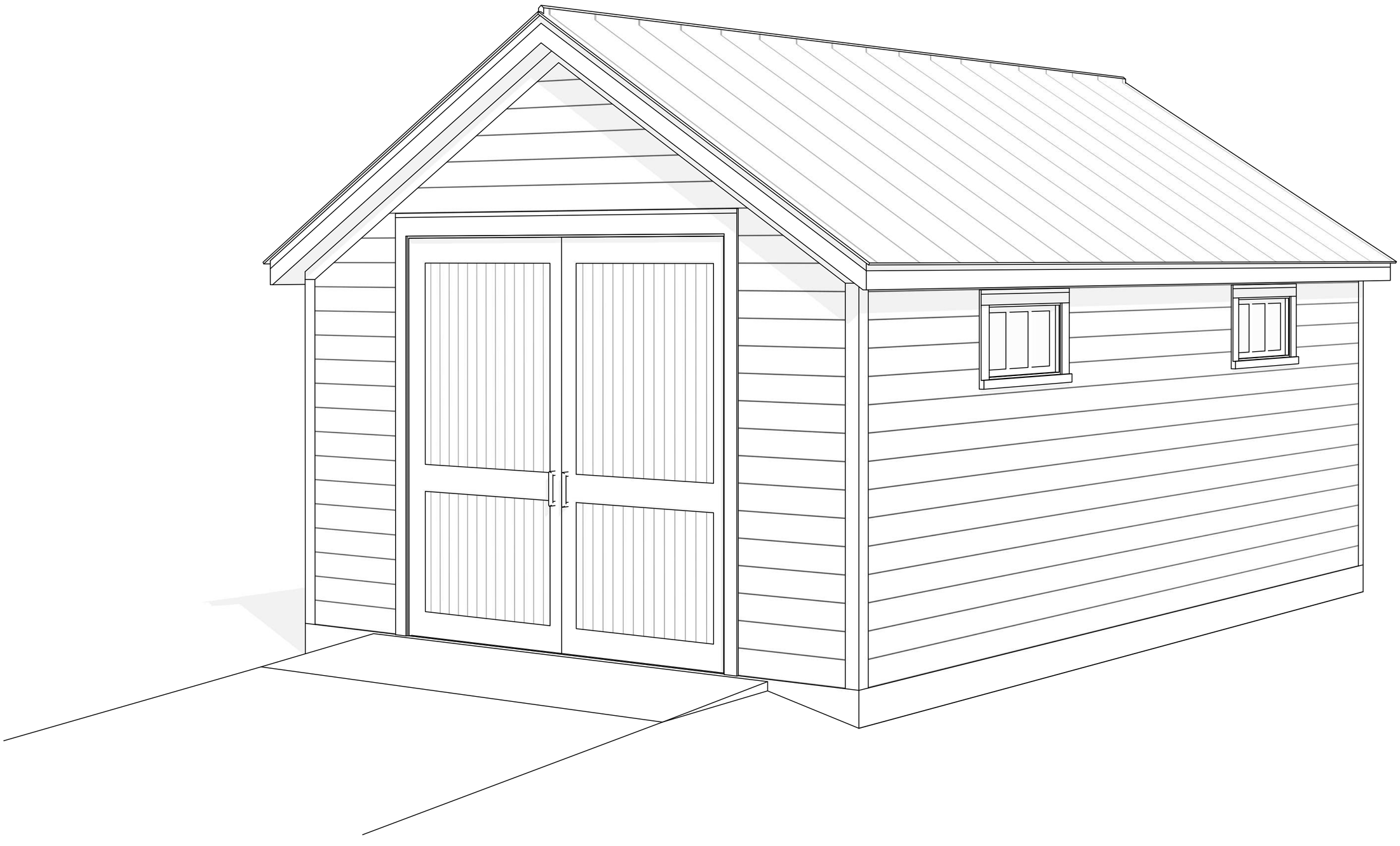
This is about as simple as buildings come. As a 1-car garage with a low roofline, it fits well even when situated near other structures. This project was inspired by the garage where the Hewlett Packard corporation was founded, now called the "Birthplace of Silicon Valley". Garages can be more than just parking places. As multifunctional buildings, they provide the room where dreams can be built.

SILICON VALLEY GARAGE

PLAN & OVERVIEW

A DESIGN BY JAY OSBORNE

(1) The large casement doors can instead be a single, segmented roll-up door of the same exact exterior appearance. However, side-swinging doors are better for human access. **(2)** Above eye-level, the windows don't block furniture or storage layouts. Though small, multiple windows work better for balanced daylighting and cross ventilation. **(3)** There's ample space for work tables along the walls.



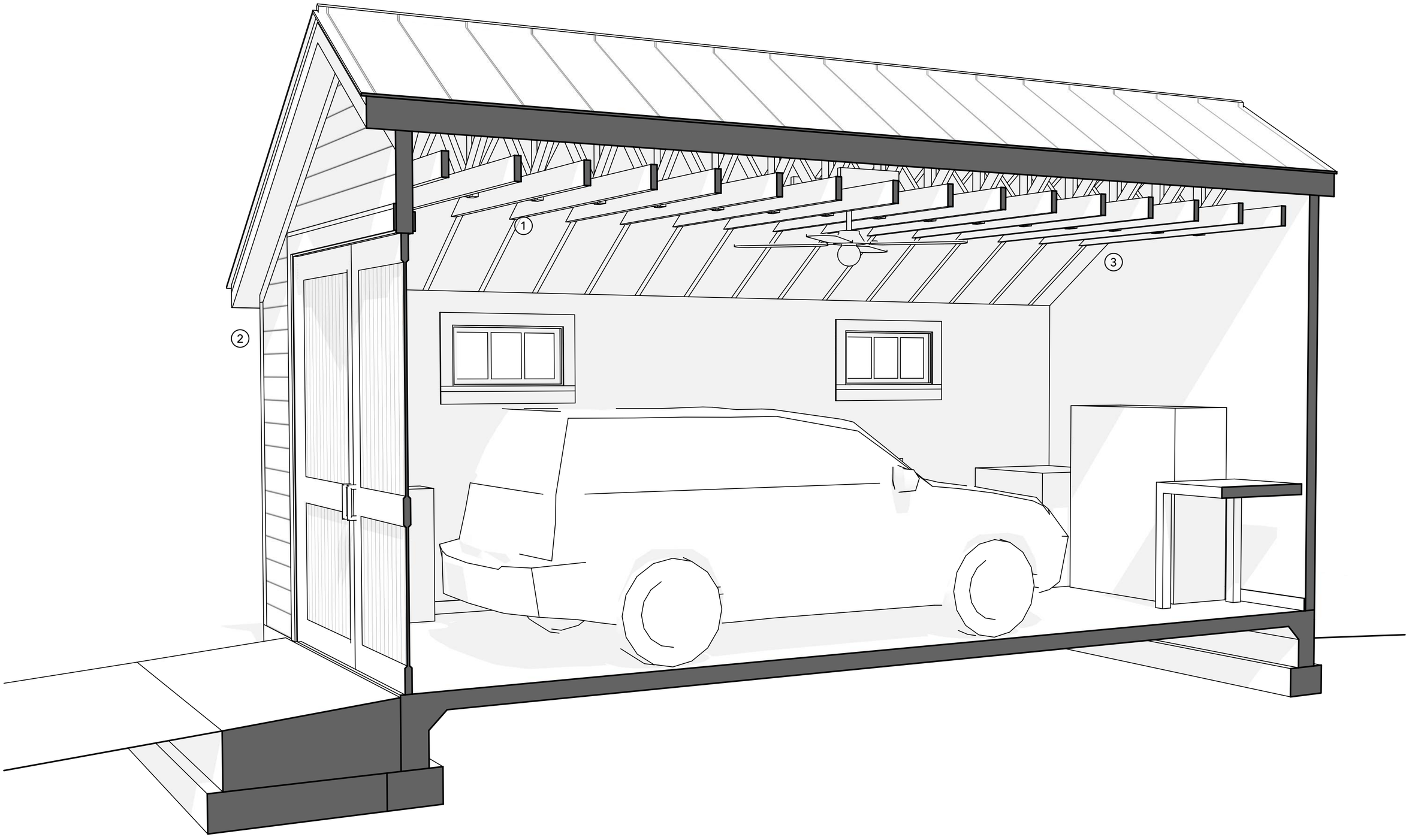
A garage is a shed. Sometimes built-in. Usually, big. That's something that many architects and builders seem to forget. They often put the garage in front of a house, placed so prominently it looks as if the house was made only for cars. The machines have taken over. Just as you wouldn't put a shed by a front door, garages should be inconspicous. If not, they turn houses into "Snouthouses".

SILICON VALLEY GARAGE

EXTERIOR VIEW

A DESIGN BY JAY OSBORNE

"Snouthouse" is a new word for a new kind of house– where the garage projects in front of the facade, calling so much attention to itself that it takes a moment to find the front door. Such snouthouses make the most unlovable streetscapes. Garages are utilitarian spaces, like bathrooms. So it's obscene to parade them in front of public spaces. It's always better to tuck them away, out of public view.



There's not much to say about this garage. The neighbors won't take photos of it (unless it's where a major tech startup began its rise). The exterior materials should complement the siding and roofing as the house. Material consistency does wonders when it comes to an aesthetic composition. And the interior can be virtually unfinished, with exposed lumber. It might not even need insulation.

SILICON VALLEY GARAGE

INTERIOR VIEW

A DESIGN BY JAY OSBORNE

(1) The rafters can be built on-site, though many builders and permitters seem to prefer more expensive prefabricated rafters. **(2)** Raise the outer side walls by 12 inches to make it much easier to use roof trusses, and to have a plain flat ceiling. **(3)** The walls here are shown with interior finished sheathing, which could be beadboard panels. This interior also depicts batt insulation between the rafters.

PLAN NOTES

1. VEHICLE DOORS CAN INSTEAD BE A SEGMENTED ROLL-UP DOOR. EXTERIOR APPEARANCE COULD LOOK THE SAME FOR EITHER OPTION.

2. IF ONE OF THE WINDOWS WERE A DOOR INSTEAD, THE HINGED GARAGE DOORS COULD INSTEAD BE ONE ROLL-UP DOOR. SEE DOORS OPTIONS: PAGE 50.

3. RESERVED

4. UNLESS OTHERWISE NOTED OR DIMENSIONED, BUILDERS SHALL ASSUME SYMMETRY WHEREVER ITS INTENTION IS EVIDENT.

WINDOWS

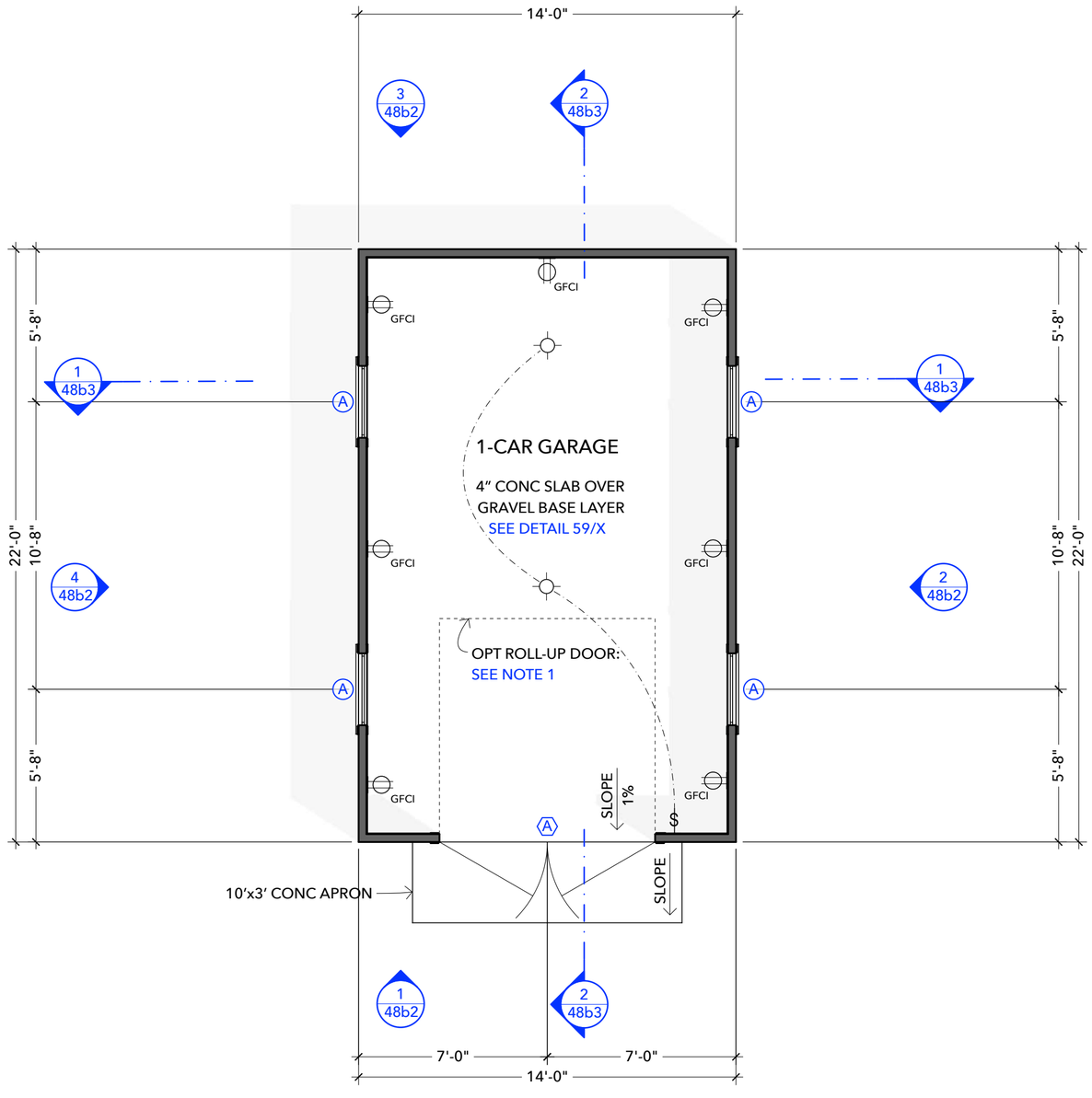
(A) 32x16 3-LITE AWNING WINDOW

DOORS

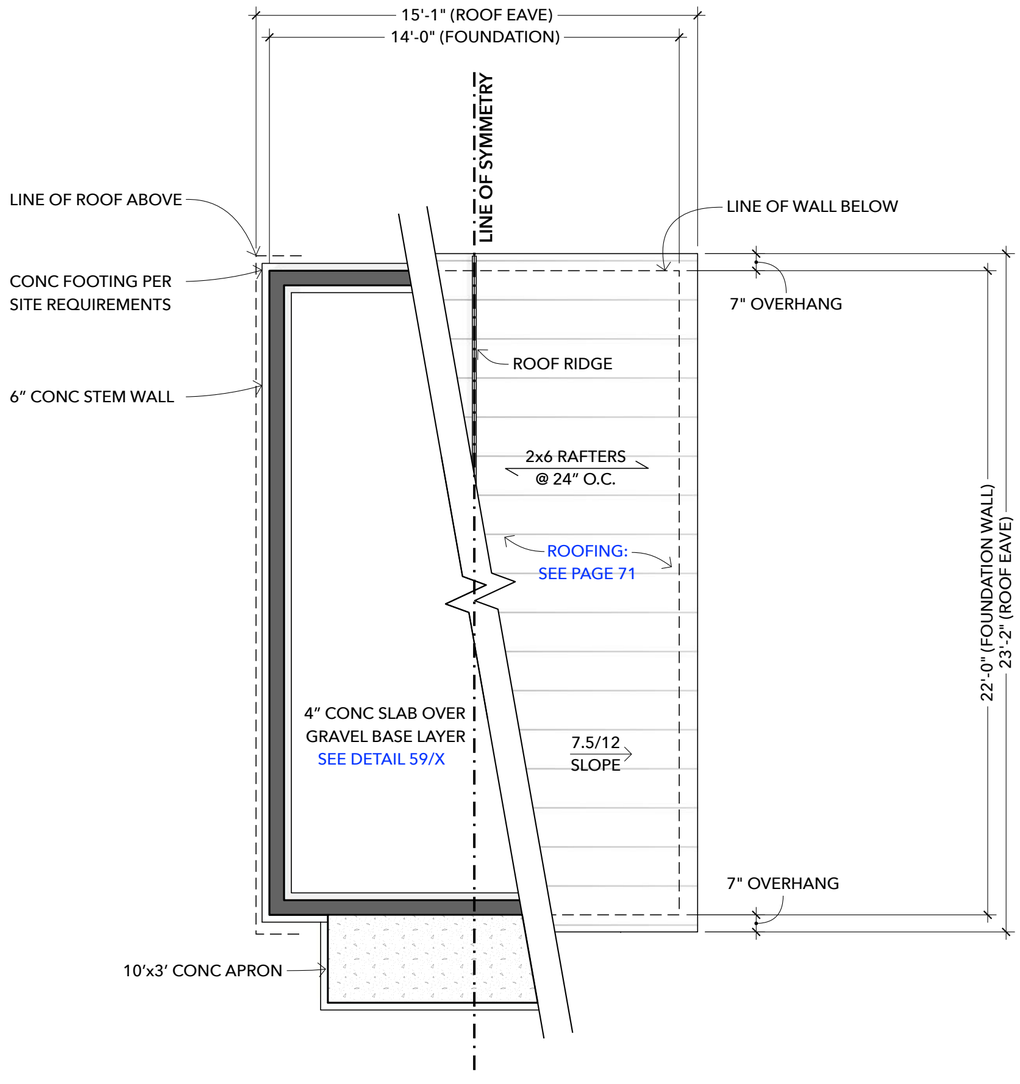
(A) 96x96 DBL GARAGE DRS

FURTHER REFERENCES

DOORS: SEE PAGE 50
WINDOWS: SEE PAGE 51
ROOFING: SEE PAGE 71
SIDING: SEE PAGE 70
WALL ASSEMBLY: SEE PAGE 56
ROOF ASSEMBLY: SEE PAGE 57
FOUNDATION DETAILS: SEE PAGE 59
Note: These are all just placeholder links.



1 FLOOR PLAN / ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"



2 FOUNDATION PLAN & ROOF PLAN
SCALE: 1/4" = 1'-0" SEE NOTE 4

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A DESIGN BY JAY OSBORNE

SILICON VALLEY GARAGE

EXPERIMENTS IN INFORMATION DESIGN

1 **2024-06-27** FIRST DRAFT (ONLY ON PATREON)

+ SEE PAGE 01 FOR PROJECT HISTORY & CREDITS.

GARAGE B
PLAN VIEWS
48b1

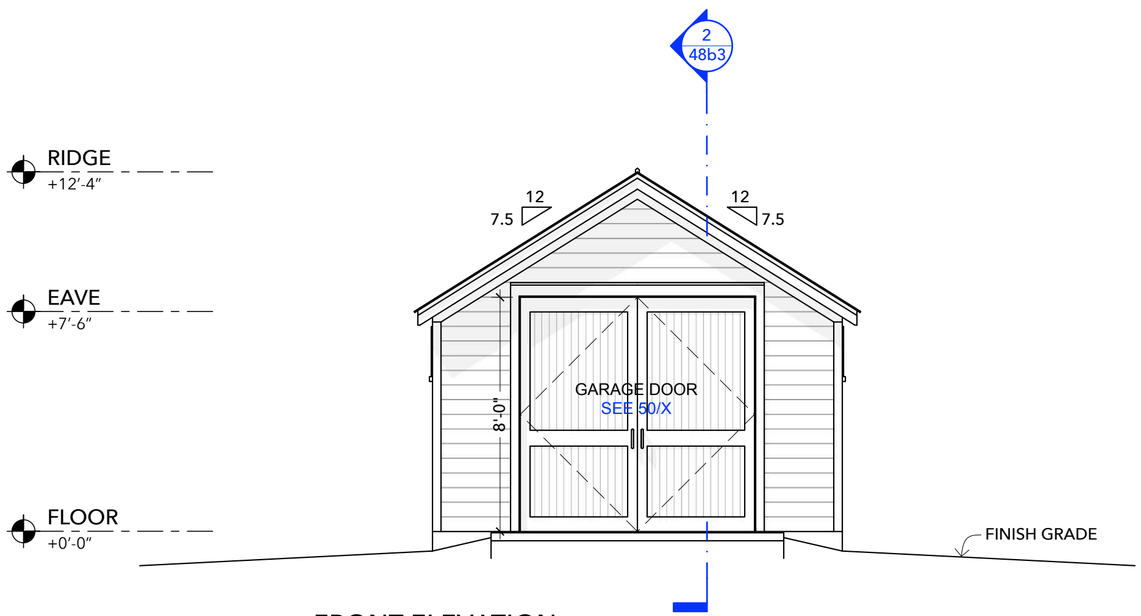
ELEVATION NOTES

1. VEHICLE DOORS CAN INSTEAD BE A SEGMENTED ROLL-UP DOOR. EXTERIOR APPEARANCE COULD LOOK THE SAME FOR EITHER OPTION.

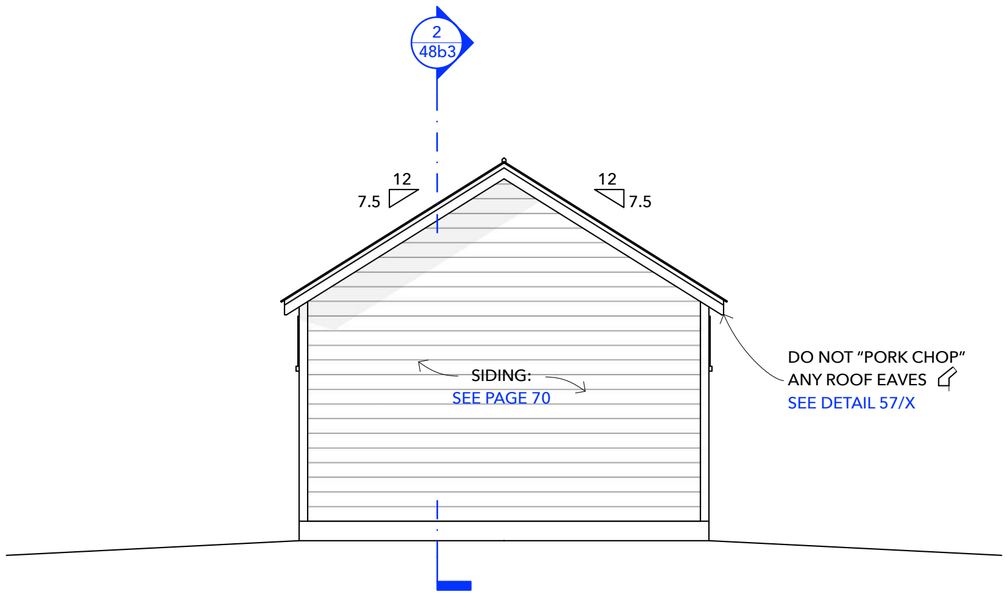
2. IF A ROLL-UP GARAGE VEHICLE DOOR IS USED, THEN ONE OF THE WINDOWS SHOULD BE A HINGED DOOR INSTEAD. SEE PAGE 50 FOR DOOR OPTIONS.

FURTHER REFERENCES

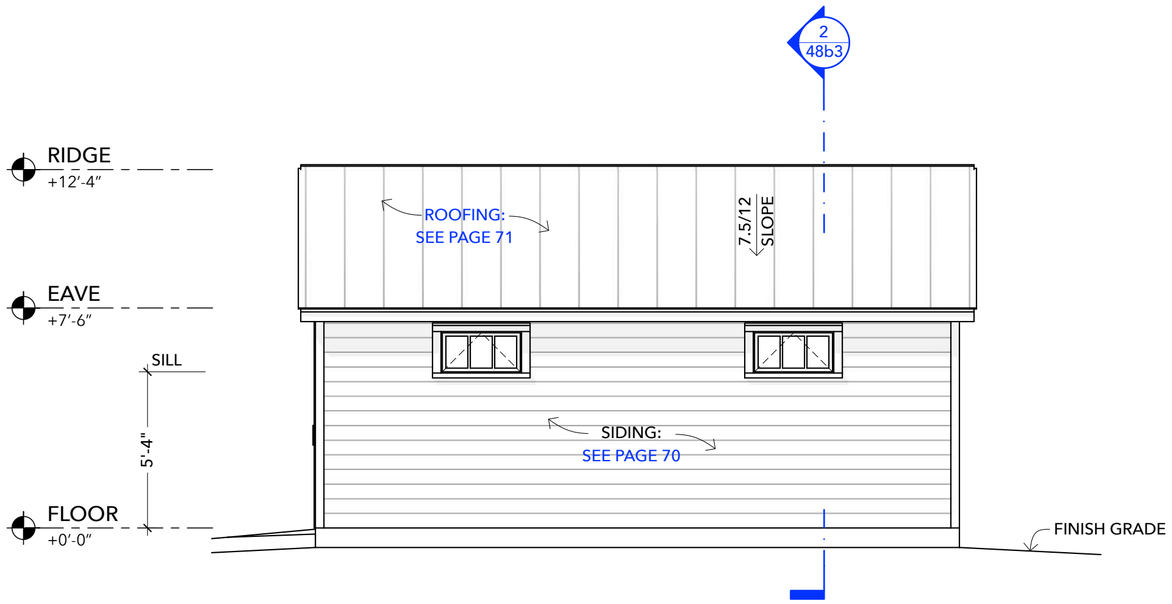
DOORS: SEE PAGE 50
WINDOWS: SEE PAGE 51
ROOFING: SEE PAGE 71
SIDING: SEE PAGE 70
WALL ASSEMBLY: SEE PAGE 56
ROOF ASSEMBLY: SEE PAGE 57
FOUNDATION DETAILS: SEE PAGE 59
Note: These are all just placeholder links.



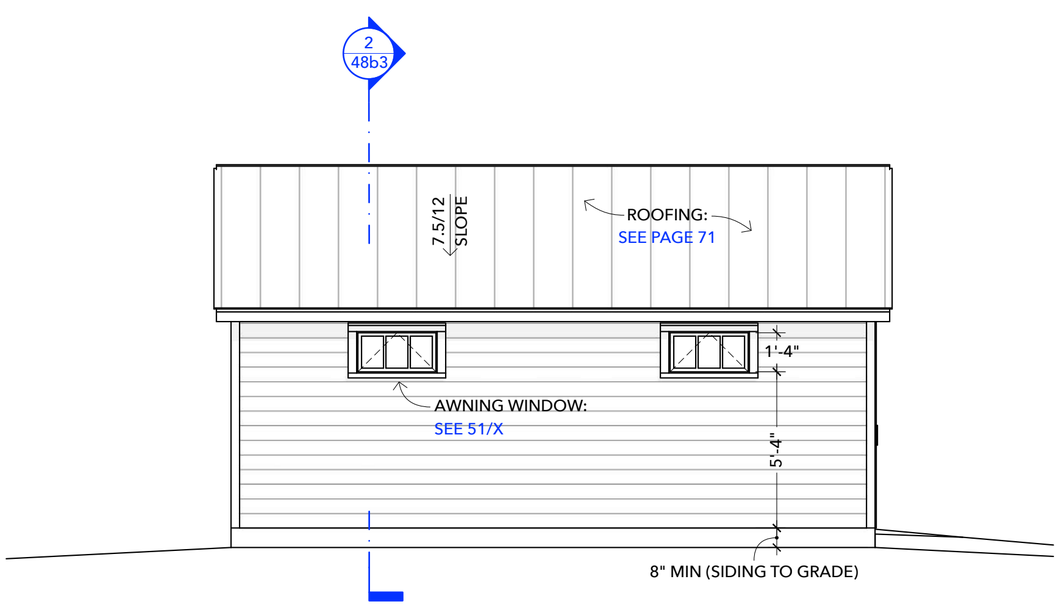
1 FRONT ELEVATION
SCALE: 1/4" = 1'-0"



3 REAR ELEVATION
SCALE: 1/4" = 1'-0"



2 RIGHT ELEVATION
SCALE: 1/4" = 1'-0"



4 LEFT ELEVATION
SCALE: 1/4" = 1'-0"

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SILICON VALLEY GARAGE

EXPERIMENTS IN INFORMATION DESIGN

1 **2024-06-27** FIRST DRAFT (ONLY ON PATREON)

+ SEE PAGE 01 FOR PROJECT HISTORY & CREDITS.

GARAGE B
ELEVATION VIEWS
48b2

SECTION NOTES

1. ROOF TRUSS TO BE SITE-BUILT. A PREFABRICATED SCISSOR TRUSS COULD ALSO BE AN OPTION, BUT THIS DOESN'T HAVE TO BE COMPLICATED. IF THE TRUSS IS ENCLOSED (THAT IS, THE CEILING IS FINISHED), IT WILL BE MORE COST EFFECTIVE TO HAVE AN 8′ CEILING AND 7′-TALL DOOR. SEE

2. IF THE ATTIC SPACE IS ENCLOSED, IT WILL ALSO NEED TO BE VENTED. A SMALL 12x18 VENT ON EACH GABLE END AND 0.5″ EAVE STRIP VENTS SHOULD BE FINE.

3. INSULATION MAY NOT BE NECESSARY, BUT 1-2 INCHES OF RIGID OUTBOARD INSULATION (LIKE XPS OR POLYISO) WOULD BE A RECOMMENDED MINIMUM.

4. THESE DOORS REQUIRE CROSS BRACING, LIKE A DIAGONAL STRUCTURAL WIRE.

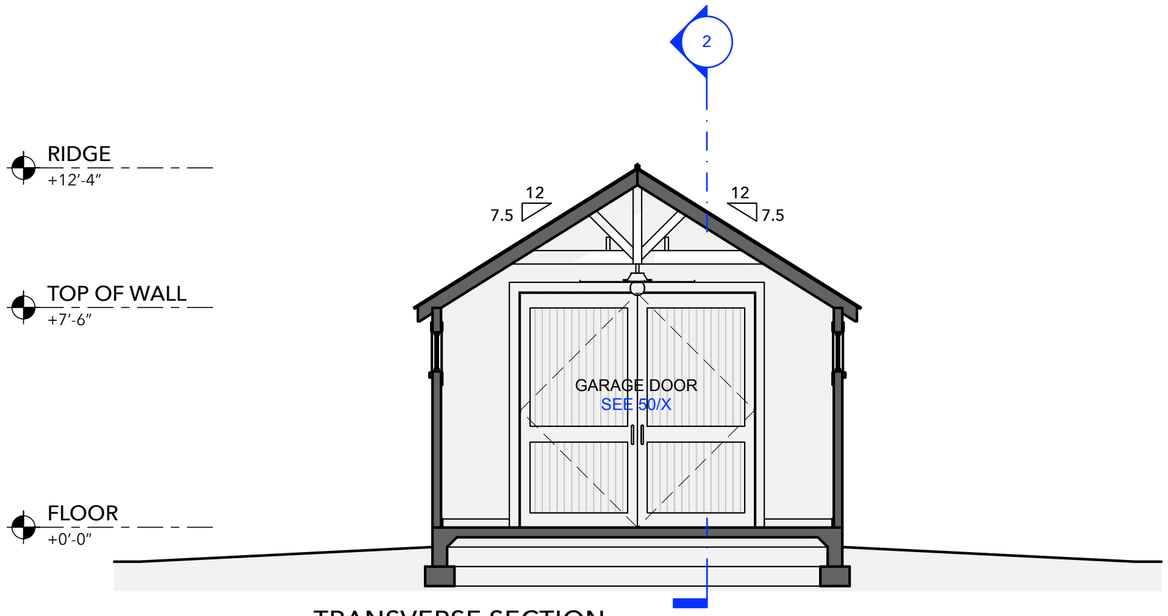
5. LIGHT FIXTURES ARE TO BE AT LEAST AS HIGH ABOVE THE FLOOR AS THE HEIGHT OF THE VEHICLE DOOR. BY CODE, THEY ONLY NEED TO BE 6′-4″. MAKE IT BETTER.

6. INTERIOR WALLS ARE DEPICTED SHEATHED, BUT THE STUDS CAN BE EXPOSED.

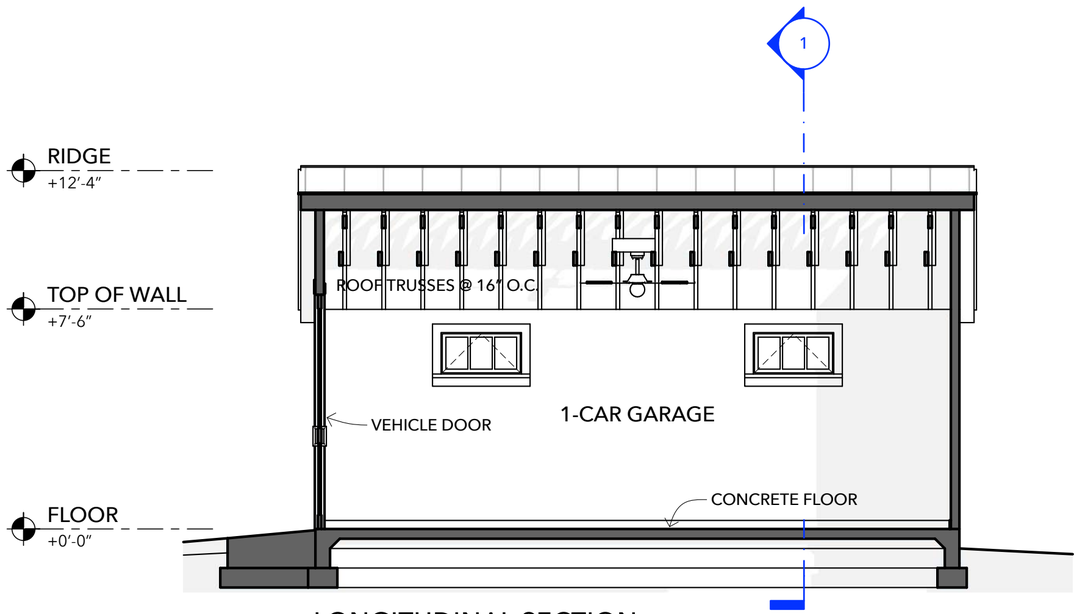
FURTHER REFERENCES

DOORS: SEE PAGE 50
WINDOWS: SEE PAGE 51
ROOFING: SEE PAGE 71
SIDING: SEE PAGE 70
WALL ASSEMBLY: SEE PAGE 56
ROOF ASSEMBLY: SEE PAGE 57
FOUNDATION DETAILS: SEE PAGE 59

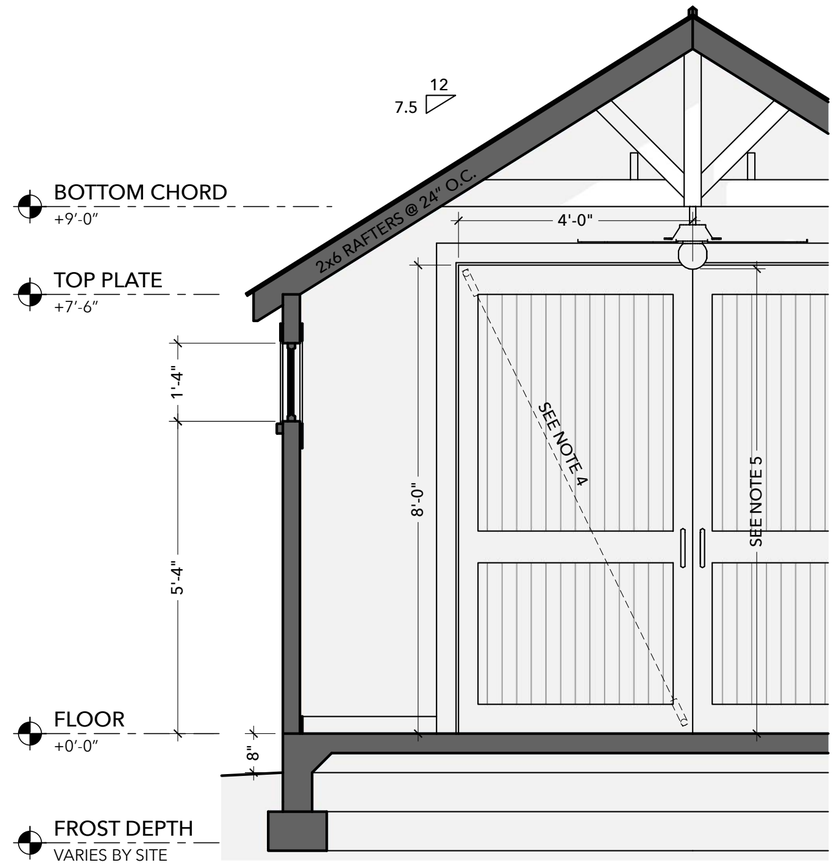
Note: These are all just placeholder links.



1 TRANSVERSE SECTION
SCALE: 1/4″ = 1′-0″



2 LONGITUDINAL SECTION
SCALE: 1/4″ = 1′-0″



3 DETAIL SECTION
SCALE: 1/4″ = 1′-0″

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SILICON VALLEY GARAGE

EXPERIMENTS IN INFORMATION DESIGN

1 **2024-06-27** FIRST DRAFT (ONLY ON PATREON)

+ SEE PAGE 01 FOR PROJECT HISTORY & CREDITS.

GARAGE B
SECTION VIEWS
48b3

TEMPORARY PAGE OF OPTIONS

1. THESE PLANS ARE BEING DEVELOPED WITH A MODULAR DRAWING SET IN MIND. WITH INTERCHANGEABLE PAGES, SUCH ARCHITECTURAL PLANS ALLOW OPTIONS FOR LITERALLY MILLIONS OF POSSIBLE HOUSE DESIGNS. THESE PAGES ARE BEING ORGANIZED FOR THAT PURPOSE, BUT CAN ALSO BE USED IN SMALLER PROJECTS.

2. I'VE NEVER EVEN HEARD OF MODULAR DRAWING SETS. I MAY BE INVENTING THEM.

3. FUTURE ITERATIONS OF THIS DRAWING SET WILL POINT/LINK TO OTHER PAGES TO DESCRIBE DETAIL OPTIONS, LIKE FOR EXTERIOR MATERIALS (ROOFING, SIDING, ETC). THAT WAY, THERE'S LESS REDUNDANCY OR CONFLICT WITHIN THE DRAWINGS, AND THE INDIVIDUAL ELEMENTS OF THE WHOLE PROJECT CAN THEN BE HARMONIZED.

FOR SIMPLICITY'S SAKE, THIS PAGE COLLECTS THE INFORMATION THAT WILL LATER BE FORMATTED AND DETAILED ON INDIVIDUAL PAGES, MANY OF WHICH CAN BE TOSSED AND REPLACED BY A DIFFERENT PAGE-BASED OPTION. IT MIGHT REQUIRE REMARKABLY FEW PAGES. YET IT'S VERY DIFFICULT TO MAKE A MODULAR DRAWING SET, WHICH IS LIKELY WHY I'VE NEVER SEEN ONE BEFORE. I'M DEVELOPING THIS ONE WITH MY STARTER FARMHOUSE SERIES, WHERE I'VE ALREADY DESIGNED MANY OF THE INTERCHANGEABLE MODULES. I WANT TO KEEP THINGS SIMPLE, AS A PROOF OF CONCEPT. EVEN WITH FEW OPTIONS, IT MULTIPLIES INTO THOUSANDS OF UNIQUE DESIGNS.

WINDOWS

SEE PAGE 5000 FOR WINDOW INFO, DETAILS, & INDEX OF OPTIONS

5000 GENERAL WINDOW INFO PAGE TO INCLUDE:
MARVIN ULTIMATE SERIES, AND DESCRIBING OTHER PRODUCT OPTIONS
NOTES ABOUT THE USAGE OF ANTIQUE WINDOWS
TRIM: SOLID WOOD OR FIBER CEMENT: 1x4 SIDE, 2x6 UPPER, 3" SILL.
TYPICAL WINDOW INSTALLATION DETAILS

WINDOW INDEX COULD INCLUDE UP TO 90 SIZES & TYPES OF WINDOWS. AT FIRST, THERE WILL BE NO INDIVIDUAL PAGES OF WINDOW ELEVATIONS & PRODUCT OPTIONS– THAT INFO CAN BE COMPRESSED ON PAGE 5000.

TO INCLUDE IN WINDOW INDEX (BOLD ITEMS USED IN THIS MODULE):

5001-9 RESERVED FOR SHARED DETAILS
5010-9 STANDARD DOUBLE-HUNG WINDOWS
5020-9 SMALL DOUBLE-HUNG WINDOWS
5030-9 AWNING WINDOWS (TRANSOMS, CLERESTORIES)
- 5031 30x14 2-LITE AWNING WINDOW
- **5032 32x16 2-LITE AWNING WINDOW**
- 5033 36x14 3-LITE AWNING WINDOW
- 5034 36x16 3-LITE AWNING WINDOW

5040-9 FIXED SIDELITES (REFERENCE FROM 5130 DOORS)
5050-9 FIXED TRANSOMS (REFERENCE FROM 5130 DOORS)
5060-9 HORIZONTAL SLIDING WINDOWS (CLERESTORIES?)
5070-9 INTERIOR TRANSOMS
- 5071 24x14 1-LITE AWNING WINDOW
- 5072 30x14 2-LITE AWNING WINDOW
- 5073 32x14 3-LITE AWNING WINDOW
- 5074 32x16 3-LITE AWNING WINDOW
- 5075 36x16 3-LITE AWNING WINDOW
- 5076 48x16 5-LITE AWNING WINDOW
- 5077 60x16 5-LITE AWNING WINDOW

5080-9 CASEMENT WINDOWS
5090-9 LARGE SLIDING GLASS WINDOWS (REDUNDANT W/ SLIDING GLASS DOORS?)

DOORS

SEE PAGE 5100 FOR DOOR INFO, DETAILS, & INDEX OF OPTIONS

5100 GENERAL DOOR INFO PAGE TO INCLUDE:
MARVIN ULTIMATE SERIES, AND DESCRIBING OTHER PRODUCT OPTIONS
NOTES ABOUT THE USAGE OF ANTIQUE DOORS
TRIM: SOLID WOOD OR FIBER CEMENT: 1x4 SIDE, 2x6 UPPER, 3" SILL.
NOTES ABOUT EXPOSED FLASHING AND SEALANT BASICS
TYPICAL DOOR INSTALLATION DETAILS

DOOR INDEX COULD INCLUDE UP TO 90 SIZES & TYPES OF DOORS. AT FIRST, THERE WILL BE NO INDIVIDUAL PAGES WITH DOOR ELEVATIONS & PRODUCT OPTIONS– THAT INFO CAN BE COMPRESSED ON PAGE 5100.

TO INCLUDE IN DOOR INDEX (BOLD ITEMS USED IN THIS MODULE):

5101-9 RESERVED FOR SHARED DETAILS
5110-9 34-36" EXTERIOR DOORS (I.E. FRONT DOOR)
- 5111 36x80 4-LITE (FRONT DOOR)
- 5112 36x84 6-PANEL DOOR

5120-9 32-36" LESS-FORMAL DOORS (I.E. BACK DOOR)
5130-9 FRONT DOORS W/ SIDELIGHTS & TRANSOMS
5140-9 STANDARD INTERIOR DOORS
- 5141 18x80 1-PANEL (OR LOUVER) DOOR
- 5142 24x80 1-PANEL (OR LOUVER) DOOR
- 5143 28x80 5-PANEL DOOR
- 5144 30x80 5-PANEL DOOR
- 5145 32x80 5-PANEL (OR 6-PANEL) DOOR
- 5146 36x80 6-PANEL DOOR

5150-9 INTERIOR DOORS W/ TRANSOMS
5160-9 SMALL INTERIOR CLOSET DOORS
5170-9 POCKET & SLIDING INTERIOR DOORS
5180-9 GARAGE & BARN DOORS
- 5181 96x84 DBL GARAGE DOORS
- **5182 96x96 DBL GARAGE DOORS - SOLID**

5190-9 SLIDING EXTERIOR GLASS DOORS

SIDING

SEE PAGE 6000 FOR SIDING INFO, DETAILS, & INDEX OF OPTIONS

GENERAL SIDING INFO (PAGE 6000) TO INCLUDE:
AN INDEX OF OPTIONS, REFERENCING FUTURE PAGES 6001-6099, THAT IS, UP TO 99 PAGES WITH MORE SPECIFIC SIDING DETAILS.
DESCRIPTIONS OF PRODUCT OPTIONS, LIKE USING JAMES HARDIE ARTISAN SERIES FOR FIBER CEMENT SIDING.
NOTES ABOUT THE REUSING OLD MATERIALS.
NOTES ABOUT TRIM MATERIAL COMPATIBILITY (AND ABOUT INCREASING TRIM SIZE IN SOME CASES).
TYPICAL SIDING DETAILS, STARTING AT THE SHEATHING.
WALL STRUCTURE DETAILS ARE TO BE ILLUSTRATED SEPARATELY, TO AVOID REDUNDANT DRAWINGS.

NOTES ABOUT WHY TO NEVER USE VINYL OR ALUMINUM SIDING.

TO INCLUDE IN SIDING INDEX (UP TO 90 SIZES & TYPES, NO INDIVIDUAL PAGES AT FIRST):

6001-9 RESERVED FOR SHARED DETAILS
6010-9 CLAPBOARD SIZES/TYPES, LIKE WOOD OR FIBERCEMENT
- **6011 6" FIBERCEMENT CLAPBOARD SIDING**
- 6012 6" NATURAL WOOD SIDING (CEDAR?)

6020-9 BOARD & BATTEN SIZES/TYPES, LIKE WOOD OR FIBERCEMENT
6030-9 SHINGLE SIDING SIZES/TYPES…
- *REDUNDANT WITH ROOFING OPTIONS?*

6040-9 METAL SIDING SIZES/TYPES…
- 6041 1" SMALL CORRUGATIONS (LIKE IN VALPARAISO)
- *REDUNDANT WITH ROOFING OPTIONS?*

6050-9 STUCCO SIDING TYPES & DETAILS (TRIM OR NO TRIM)
6060-9 FOUNDATION FACING, LIKE 4" BRICK OR 4" STONE
6070-9 THIN FOUNDATION VENEERS (NOT RECOMMENDED)
6080-9 OTHER HORIZONTAL SIDING BESIDES CLAPBOARDS
6090-9 EXTERIOR-GRADE CEILING SURFACES (BEADBOARD, ETC)

WHERE MIGHT SOME PAINT OPTIONS GO?
10 PRODUCTS? 10 COLOR PALETTES?

ROOFING

SEE PAGE 6100 FOR ROOFING INFO, DETAILS, & INDEX OF OPTIONS

GENERAL ROOFING INFO (PAGE 6100) TO INCLUDE:
WHICH PRODUCTS TO FAVOR
NOTES ABOUT THE REUSE OF MATERIALS
TYPICAL ROOFING DETAILS
INDEX OF OPTIONS (MAYBE A DECISION CHART?)
ROUGH COST ESTIMATES?

TO INCLUDE IN ROOFING INDEX (UP TO 90 TYPES). AS INDIVIDUAL PAGES, THESE ARE NOT NECESSARY UNTIL MUCH LATER:

6101-9 RESERVED FOR ADDITIONAL SHARED DETAILS
6110-9 METAL ROOFING
- 6110 METAL ROOFING OPTIONS PAGE
- **6111 16" STANDING SEAM GALVALUME PANELS**
- 6112 24" 5V GALVALUME PANELS
- 6113 2" CORRUGATED STEEL (ROUND CORRUGATIONS)
- 6114 CORRUGATED ALUMINUM? (NO RIBBING!)

6120-9 SHINGLE ROOFING
- 6121 CEDAR WOOD SHAKES
- 6122 ASPHALT SHINGLES (NO FAKE SHADOWS!)
  - COLOR OPTIONS?
- 6123 FIBERCEMENT SHINGLES

6130-9 SLATE ROOFING
- 6130 SLATE ROOFING OPTIONS PAGE

6140-9 METAL SIDING SIZES/TYPES
- 6130 SLATE ROOFING OPTIONS PAGE

NOTES TO SELF:

FIRST– COMPILE A LIST OF ALL THE FIXTURES USED IN ALL MY DESIGNS.
LATER– IF THERE ARE TOO MANY OPTIONS, WEED OUT ANY THAT MAKE LESS SENSE IN THE GARAGE, CARRIAGE HOUSE, OR STARTER FARMHOUSE DESIGNS.

MINIMIZE REDUNDANCY. WHENEVER WORDS ARE COPIED, CHANGES TAKE MORE TIME.

I SPEND TOO MUCH TIME REFORMATTING PAGES, NOTES, & DIMENSIONS. MUST BE MORE MINDFUL OF TECHNICAL DEBT, OR ELSE I'LL BURN OUT WHEN FINALIZING THE DRAWINGS.

THE GARAGE DESIGNS REQUIRE MORE PAGES THAN MOST MODULES. FOR A PROOF OF CONCEPT, SHOULD THE SCALABILITY OF THE DRAWING SET BE IGNORED? OPTIMIZE IT FOR THE STARTER FARMHOUSES?

NOT A BOOK. MAKE LOOSE-LEAF PAGES THAT CAN BE SWITCHED OUT FOR OTHER OPTIONS. EACH PAGE HAS A FLIPPED REVERSE SIDE THAT CONTAINS RENDERINGS & EXPLANATIONS.

ALL INFORMATION LEADS TO THE BUILDING PRODUCTS. START WITH THE END IN MIND.

POSSIBLE TO DISTILL DOORS (AND WINDOWS) TO 26 OPTIONS? LETTER-BASED CALLOUTS? CAN ALL DOOR ELEVATIONS FIT ON A SINGLE PAGE?

NOT ALL MODULE OPTIONS NEED BE PERFECTLY COMPATIBLE, BUT IT SHOULD BE FAIRLY OBVIOUS WHEN THEY DON'T PLUG IN TO EACH OTHER. LIKE LEGOS.

INTERDEPENDENCY OF DESIGN ELEMENTS REQUIRES MORE CENTRALIZED MANAGEMENT, WHEREAS INTEROPERABILITY OF MODULES ALLOWS A MORE DISTRIBUTED DESIGN APPROACH. AS LONG AS IT FOLLOWS SOME RULES, ADJUSTING ONE PAGE WON'T REQUIRE CHANGING ALL OF THE OTHERS.

ONE CHOICE AT A TIME. GENERALLY, IT'S BEST TO PROVIDE 5 TO 9 OPTIONS FOR ANY DECISION. TO AVOID DECISION PARALYSIS, IT'S VERY IMPORTANT TO BREAK DOWN AND ORGANIZE OPTIONS. AN OVERVIEW OF PROS AND CONS IS ALSO IMPORTANT.

USUALLY, ARCHITECTURAL DRAWINGS ARE STRUCTURED AROUND A COMMAND-AND-CONTROL MENTALITY. THE CHALLENGE HERE IS TO REVISE GRAPHIC CONVENTIONS TO CREATE AN INTUITIVE, CHOOSE-YOUR-OWN-ADVENTURE KIND OF DESIGN.

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DRAWING SET STRUCTURE

HOW TO ORGANIZE INTERCHANGEABLE PAGES

PAGES SHOWING THE BUILDING MODULES COMBINED TOGETHER:

0 INFORMATION
- **00** COVER (PERSPECTIVES, PRESENTATION PLANS, DESCRIPTION):
  - **00a** VIRGINIA
  - **00b** GEORGIA
  - **00c** CAROLINE
  - **00d** MARILYN
  - **00e** PENNY-SYLVIA
- **01** PROJECT INFO (HISTORY, REVISIONS, CONTACTS, CODE REF)
  - **01a** VIRGINIA
  - **01b** GEORGIA
  - **01c** CAROLINE
  - **01d** MARILYN
  - **01e** PENNY-SYLVIA
- **02** GENERAL NOTES (SHOULD BE SAME WITH ALL DESIGNS)
- **03** EXPLAIN MODULAR PLANS, CHOICES, SYMBOLS, AND ABBREV.
- 04 CHART OF DECISIONS, USEFUL RESOURCES, BOOKS, LINKS, ETC.
- 05 SITE PLAN?
- 06 LANDSCAPE PLAN?

1 PLAN VIEWS - FULL (MODULES COMBINED
- **10** FOUNDATION & ROOF PLANS (EACH IS AN EXAMPLE COMBO)
  - **10a** VIRGINIA
  - **10b** GEORGIA
  - **10c** CAROLINE
  - **10d** MARILYN
  - **10e** PENNY-SYLVIA
- **11** FIRST FLOOR PLAN & RCP
  - **11a** VIRGINIA
  - **11b** GEORGIA
  - **11c** CAROLINE
  - **11d** MARILYN
  - **11e** PENNY-SYLVIA
- **12** SECOND FLOOR PLAN & RCP
  - **12a** VIRGINIA
  - **12b** GEORGIA
  - **12c** CAROLINE
  - **12d** MARILYN
  - **12e** PENNY-SYLVIA

2 ELEVATION VIEWS (MODULES COMBINED)
- **20** FRONT ELEVATIONS (EACH IS AN EXAMPLE COMBO)
  - **20a** VIRGINIA
  - **20b** GEORGIA
  - **20c** CAROLINE
  - **20d** MARILYN
  - **20e** PENNY-SYLVIA
- **21** REAR ELEVATIONS
  - **21a** VIRGINIA
  - **21b** GEORGIA
  - **21c** CAROLINE
  - **21d** MARILYN
  - **21e** PENNY-SYLVIA

3 SECTION VIEWS (MODULES COMBINED)
- **30** SECTIONS (EACH IS AN EXAMPLE MODULE COMBINATION)
  - **30a** VIRGINIA
  - **30b** GEORGIA
  - **30c** CAROLINE
  - **30d** MARILYN
  - **30e** PENNY-SYLVIA

TOTAL: 42 COMBINATION PAGES (MINIMUM)
10 PAGES USED FOR A SET

EXAMPLE CALLOUTS

46a = Page 48, Page Variation A
48b2 = Page 48, Module Variation B, Module Sub-Page 2
30/A = Page 30 (whichever variation), Diagram A
61/C1 - Page 61 (bath fixtures), Bath Fixture C, Product Option 1
93/G = Page 93, Type of Furniture (i.e. Sofa) and Size (i.e. 6'-0" long)
93/G1 = Furniture Type, Size, Brand, & Model

Add more slashes, like website subdirectories in the path of a URL?

4 MODULES
- **40** EXPLANATION OF OPTIONS - KEEP IN SET IF CHOICE IS MADE?
- **41** FRONT FACADE
  - **41a** PLAIN SYMMETRICAL WALL W/ SMALL PORTICO
  - **41b** FRONT PORCH (3-BAY) ASSYMETRICAL DOOR
  - **41c** DOUBLE FRONT PORCH SYMMETRICAL DOOR
  - **41d** PLAIN 2-BAY SIDE WALL (OPTIONAL DOOR)
  - **41e** FRONT PORCH 5-BAY SYMMETRICAL DOOR
- **42** CORE PLAN
  - **42a** OPEN PLAN, ATTIC STAIR/LADDER (AT LINEN CLOSET)
  - **42b** HALL & PARLOR (KITCHEN STAIR HALL) + WOODSTOVE
  - **42c** OPEN PLAN CENTER-REAR WOODSTOVE/CHIMNEY
  - **42d** OPEN PLAN STAIR-SIDE WOODSTOVE OR CHIMNEY
  - **42e** SIDE HALL WITH CLOSETS, ATTIC STAIR/LADDER
- **43** REAR FACADE/ADDITION
  - **43a** PLAIN BACK WALL, 2-BAYS, OPTIONAL BACK DOOR
  - **43b** BEDROOM SUITE ADDITION
  - **43c** SMALL 10x10 KITCHEN ADDITION
  - **43d** FULL 16x24 KITCHEN & DINING, SUITE UPSTAIRS
  - **43e** LARGE 10x24 KIT/DINING W/ MUDRM, UPPER BEDRM
- **44** LEFT FACADE/ADDITION
  - **44a** PLAIN SIDE WALL, STACKED WINDOWS 1-BAY
  - **44b** FRONT PORCH (NARROW END)
  - **44c** SMALL SIDE ROOM 8x10
  - **44d** LARGE SIDE ROOM (8x16)
  - **44e** MUDROOM & WRAP-AROUND (CONNECTION LAYERS?)
- **45** RIGHT FACADE/ADDITION
  - **45a** PLAIN SIDE WALL, NO WINDOWS
  - **45b** TINY LEAN-TO HALF-BATH
  - **45c** SMALL BATH & SHELVES/ WRAP-AROUND PORCH EDGE
  - **45d** LARGE SIDE ROOM (8x16)
  - **45e** MUDROOM & WRAP-AROUND (CONNECTION LAYERS?)
- **46** ROOF MODULES? (TAGS WITHIN MAJOR MODEL COMPONENTS)
  - **46a** SIMPLE GABLE
  - **46b** HIP ROOF
  - **46c** GABLE WITH CROSS GABLE
  - **46d** GABLE WITH DORMERS
  - **46e** SHED ROOF W/ FACADE CORNICE ENTABLATURE
- **47** FOUNDATION MODULES (TAGS IN MODEL COMPONENTS)
  - **47a** FOUNDATION OPTIONS
  - **47b** BASEMENT FOUNDATION OPTION - MODULES
  - **47c** CRAWLSPACE FOUNDATION MODULES
  - **47d** DAYLIGHT BASEMENT OPTION - MODULES
  - **47e** SLAB FOUNDATION OPTION - MODULES
  - **48f** PIER FOUNDATION OPTION - MODULES

48 GARAGE MODULES
- **48a** GARAGE OPTIONS OVERVIEW - 10 TOTAL
- **48b1-3** SILICON VALLEY GARAGE
- **48c1-9** GOLD COUNTRY GARAGE (3 VARIATIONS)
- **48d1-6** WINE COUNTRY GARAGE (2 VARIATIONS)
- **48e1-3** LOST COAST GARAGE
- **48f1-6** CARRIAGE HOUSE (2 VARIATIONS)
- **48g1-4** BARNHOUSE DRAWINGS

49 OTHER OUTBUILDINGS & ADDITIONS (26 PAGES, NOT ESSENTIAL)
- **49a** DIRECTORY OF OPTIONS
- **49b-f** HYPHENS (CONNECTING GARAGE & HOUSE)
- **49g-k** PORCH ELEMENTS, LIKE WRAP-AROUND CORNER
- **49l-p** LEAN-TO SHEDS & GREENHOUSES
- **49q-u** FREESTANDING SHEDS & GREENHOUSES
- **49v-z** MISCELLANEOUS (CHICKEN COOP, BEE HIVE, ETC)
  (GUEST BEDROOM WING - 1ST FLOOR)

TOTAL: 80 MODULES PAGES
ABOUT 100-500,000 DISTINCTIVELY MASSED HOUSE OPTIONS
20-25 PAGES USED FOR A SET

CHANGE MARILYN TO BE 5 BAYS WIDE? 2-STORY SIDE ADDITIONS?

5 SUB-MODULES (10 PAGES, EACH WITH 26 OPTIONS OR 10 DIAGRAMS)
- **50** DOORS (A-Z SIZES, LITES, PANEL LAYOUTS)
- **51** WINDOWS (A-Z SIZES, LITES, TYPES)
- **52** VENTS & SHUTTERS (A-Z SHUTTER TYPES, SIZES?)
- **53** AWNINGS & SURROUNDS
  - A CORBELLED DOOR AWNING (12") WIDTH VARIES
  - B BRACKETED DOOR AWNING (SMALL- 18") WIDTH VARIES
  - C BRACKETED DOOR AWNING (LARGE - 36") WIDTH VARIES
  - D FRONT DOOR W/ SIDELITES & TRANSOM
  - E FRONT DOOR W/ SIDELITES
  - F FRONT DOOR W/ TRANSOM
- **54** WOODSTOVE & CHIMNEY
  - A-B OPTIONS, RESERVED PAGES
  - C-H WOODSTOVES (6)
  - I-N FIREPLACES (6)
  - O-T SURROUNDS (6)
  - U-Z CHIMNEYS (6) (NO SPACE FOR 25 DIAGRAMS! TRY 9)
- **55** STAIRS
  - A NO BASEMENT
  - B BASEMENT (STACKED)
  - C ATTIC ACCESS ABOVE (STACK OF 3?)
- **56** WALL ASSEMBLY (A-Z, 6 CLIMATESx4 OPTIONS)
- **57** ROOF ASSEMBLY (A-Z, 6 CLIMATESx4 OPTIONS)
- **58** FLOOR CONSTRUCTION (A-Z, 6 CLIMATESx4 OPTIONS)
- **59** FOUNDATION CONSTRUCTION (A-Z, 6 CLIMATESx4 OPTIONS)

3 OR 6 BASIC CLIMATES (3x2): HOT/MEDIUM/COLD x WET/DRY?
4 OPTIONS (OPTIMIZE TO): ECONOMY, QUALITY, EFFICIENCY, ADAPTABILITY

6 FIXTURES (10 PAGES, UP TO 26 SIZE/TYPE CHOICES, 10 MAX PRODUCTS)
- **60** INFO: OPTIONS & COLLECTIONS
- **61** BATHROOM FIXTURES
  - A BATH FIXTURES OVERVIEW & CHECKLIST
  - B-F TOILET OPTIONS (5)
  - G-K BATHTUB SIZE OPTIONS (5)
  - L-P SHOWER SIZE OPTIONS (5)
  - Q-U VANITY SIZE OPTIONS (5)
  - V-Z FREESTANDING SINK SIZE OPTIONS (5)
  - (OTHERS?: SHOWER ROD, MEDICINE CABINET, ETC)
- **62** KITCHEN UTILITY FIXTURES
  - A KITCHEN FIXTURES OVERVIEW & CHECKLIST
  - B-F KITCHEN SINK SIZE OPTIONS (5)
  - G-K REFRIGERATOR SIZE OPTIONS (5)
  - L-P OVEN/RANGE SIZE OPTIONS (5)
  - Q-U MICROWAVE/HOOD SIZE OPTIONS (5)
  - V-Z MISCELLANEOUS OPTIONS LIKE DISHWASHERS (5)
- **63** KITCHEN CABINETS
  - A-M KITCHEN BASE CABINETS (13 SIZES, 1-10 MAKE/MODELS)
  - N-Z KITCHEN WALL CABINETS (13 SIZES, 1-10 MAKE/MODELS)
- **64** LAUNDRY & MUDROOM
  - A FIXTURES OVERVIEW & CHECKLIST
  - B-F CLOTHES WASHERS OPTIONS (5)
  - G-K CLOTHES DRYERS OPTIONS (5)
  - L-P STACKED WASHER DRYER UNIT OPTIONS (5)
  - Q-U COMBO WASHER/DRYER OPTIONS (5)
  - V-Z UTILITY SINK OPTIONS (5)
- **65** ELECTRICAL (26 FIXTURE TYPES & SIZES, NOT THE HIDDEN STUFF)
  - A OVERVIEW OF OPTIONS
  - B-I INTERIOR LIGHTS (8)
    CEILING PENDANT, WALL SCONCE, RECESSED LIGHT, STRIP LIGHTING, CHANDELIER?
  - J-Q EXTERIOR LIGHTS (8)
    GRENADE LIGHT, ENTRY SCONCE, CEILING LIGHT, GOOSENECK LAMP
  - R-W FAN (6)
    INT FAN/LIGHT, INT FAN/NO LIGHT, EXT FAN/LIGHT EXT FAN/NO LIGHT, ALT SIZES
  - X LIGHT SWITCHES (JUST SPECIFY BRAND & SERIES)
  - Y OUTLETS (JUST SPECIFY BRAND & SERIES)
- **66** OTHER ELECTRICAL UTILITIES
  INSTANT WATER HEATERS, ETC.
- **66** HVAC
  DUCTLESS MINI-SPLIT, ETC.
- **68** PLUMBING UTILITIES
  EXTERIOR HOSE BIB, ETC.
- **69** MISCELLANEOUS FIXTURES - DETAILED SCHEDULE OF OTHERS

7 MATERIALS & FINISHES (10 PAGES, 26 CHOICES, 1-10 PRODUCTS EACH)
- **70** EXTERIOR SIDING
  - 70A SIDING OPTIONS OUTLINE
  - 70B-F CLAPBOARDS, PAINTED, NATURAL (5 OPTIONS)
  - 70G-K SHINGLES (5)
  - 70L-P BOARD & BATTEN (INCLUDE BOARD ON BOARD)
  - 70Q-U METAL SIDING (5)
  - 70V-Z STUCCO SIDING (5)
- **71** ROOFING
  - 71A ROOFING OPTIONS EXPLANATION
  - 71B-F METAL ROOFING (5 OPTIONS)
  - 71G-K SHINGLES (5)
  - 71L-P SLATE & TILE (5)
  - 71Q-U WOOD SHAKES (5)
  - 71V-Z SOLAR PANEL INTEGRATION (5)
- **72** FOUNDATION WALL FINISHES
  - 72A FOUNDATION OPTIONS (CHIMNEY FINISHES, TOO)
  - 72B-F CONCRETE (PLAIN, BOARD-FORM, ETC) (5 OPTS)
  - 72G-K BRICK (5)
  - 72L-P STONE (5)
  - 72Q-U STUCCO (5)
  - 72V-Z THIN VENEER AND TILE OPTIONS (5)
- **73** FLOOR/COUNTER FINISHES
  - 73A FLOORING OPTIONS EXPLANATION
  - 73B-F EXTERIOR PAVING (5 OPTIONS) CONCRETE?
  - 73G-K EXTERIOR DECKING (5)
  - 73L-P INTERIOR WOOD FLOORS (5)
  - 73Q-U TILE FLOORING (5) INCLUDE BRICK & STONE?
  - 73V-Z INTERIOR COUNTERTOP (5)
- **74** WALL SHEATHING & FINISHES
  - 74A WALL FINISH OPTIONS EXPLANATION
  - 74B-F GYPSUM WALLBOARD (5 OPTIONS) PLYWOOD?
  - 74G-K BEADBOARD (5) (ALSO EXTERIOR CEILING?)
  - 74L-P OTHER WOOD PANELLING (5)
  - 74Q-U TILE (5)
  - 74V-Z PAINTS & WALLPAPER (5)
- **75** INTERIOR CASINGS & MOLDINGS
  - 75A CASING & MOLDINGS OPTIONS EXPLAINED
  - 75B-F DOOR/WINDOW CASINGS FOR LOW CEILINGS (5)
  - 75G-K DOOR/WINDOW CASINGS FOR HIGH CEILINGS (5)
  - 75L-P BASEBOARD MOLDINGS
  - 75Q-U CROWN MOLDINGS
  - 75V-Z OTHER MOLDINGS (PICTURE RAIL, WAINSCOT, ETC)
- **76** EXTERIOR CASINGS & MOLDINGS
  - 76A CASING & MOLDINGS OPTIONS EXPLAINED
  - 76B-F EXTERIOR DOOR/WINDOW CASINGS (5 OPTIONS)
  - 76G-K EAVES (5)
  - 76L-P WATER TABLE BOARDS &
  - 76Q-U CROWN MOLDINGS
  - 76V-Z OTHER MOLDINGS (ASTRAGALS, ETC)

77 WATERPROOFING & FLASHING

8 STYLE & DECORATIVE ELEMENTS (10 PAGES, HOW TO ORGANIZE?)
CLASSIC: ELEGANT, EAVE RETURNS, COLUMN TRIM, GREEK REVIVAL
ECONOMICAL: SIMPLE, MINIMAL EAVES, BARE COLUMNS
RUSTIC: NATURAL MATERIALS, EXPOSED RAFTERS, PLAIN BRACKETS
VICTORIAN: GINGERBREAD ORNAMENT, OTHER EMBELLISHMENTS
ITALIANATE: LARGE ROOF BRACKETS, COMPLEX MOLDINGS

REGION-BASED MATERIAL PALETTES:
NEW ENGLAND - A COLORFUL AUTUMN HARVEST IN THE HILLS
CASCADIA - A HOME SO NATURAL IT'S PART OF THE FOREST
PIEDMONT - FORMAL, CLASSICAL, OLD-FASHIONED CHARM
GULF COAST - A BEAUTIFUL BEACH HOUSE BY THE BAYOU
WILD WEST - RAW AND RUSTY, FULL OF SPIT AND SPIRIT

DETAILING POST BRACKETS, EAVE BRACKETS, CORBELS, POSTS, ETC.

9 FURNISHINGS?
10 PAGES = 10 CATEGORIES (ROOM-BASED?)
26 TYPES/SIZES OF FURNISHINGS (SOFA: SOFA BED: QUEEN)
3-10 PRODUCT OPTIONS (LABELED LIKE 95/H2)
= UP TO 2600 POSSIBLE PRODUCTS

STARTER FARMHOUSE MODULAR PLAN SET

XXXX

HOW TO NAME A DESIGN COMBINATION:
A STRING OF 12 LETTERS, EACH CORRESPO

STARTER FARMHOUSE

A MILLION HOUSE PLANS IN YOUR HANDS

5 ***FRONT*** *FACADE/PORCH MODULES*
x
5 ***CORE*** *MODULES*
x
5 ***REAR*** *FACADE/ADDITION MODULES*
x
5 ***LEFT*** *FACADE/PORCH/ADDITION MODULES*
x
5 ***RIGHT*** *FACADE/ADDITION MODULES*
x
5 ***ROOF*** *OPTIONS*
x
5 ***FOUNDATION*** *OPTIONS*
x
5 ***GARAGE*** *OPTIONS*

= 390,625 HOUSE MASSING VARIATIONS
(MOST ARE COMPATIBLE. DOESN'T INCLUDE DIFFERENT ORIENTATIONS, MIRRORING, OR GARAGE PLACEMENTS.)
x
5 ***SIDING*** *OPTIONS*
x
5 ***ROOFING*** *OPTIONS*
x
5 ***STYLE*** *OPTIONS*

= 48 MILLION EASILY-DISTINGUISHABLE HOUSE DESIGNS
(DOESN'T INCLUDE VARIATIONS FOR FIXTURES, FINISHES, DOOR & WINDOW STYLES, CHIMNEYS, OR PRODUCTS.)

FUTURE POTENTIAL

26 OPTIONS INSTEAD OF 5

26 FRONT MODULES x 26 CORE MODULES x 26 REAR MODULES x 26 LEFT MODULES x 26 RIGHT MODULES x 26 GARAGES = ***300 MILLION HOUSE PLANS***

x 26 FOUNDATIONS x 26 ROOF MODULES x 26 SIDING OPTIONS x 26 ROOFING MODULES x 26 STYLE OPTIONS = ***3.6 QUADRILLION DISTINCT HOUSE DESIGNS***

FOUNDATIONAL QUESTION:
IT'S EASY TO DESIGN A "ONE IN A MILLION" HOUSE, BUT HOW COULD I CREATE A SMALL SET OF DRAWINGS THAT COULD BE USED TO GENERATE 1,000,000 FUNCTIONAL AND DISTINCT HOUSE DESIGNS?

PROJECT MOTIVATIONS:

MAKE IT POSSIBLE TO DESIGN A HOUSE WITHOUT LEARNING SOFTWARE. FLATTEN THE LEARNING CURVE BY TURNING THE PROCESS INTO A GAME, WHERE DESIGN MODIFICATIONS ARE AS EASY AS CHECKING BOXES.

CREATE A FAIL-SAFE DESIGN THAT'S EXTREMELY ADAPTABLE AND FUNCTIONAL.

CREATE AN ACTUAL GAME WITH PUZZLE PIECES THAT CAN BE SWITCHED OUT AND REPLACED WITH OTHERS, EACH MODULE CORRESPONDING TO A PAGE OF BLUEPRINTS THAT CAN BE USED TO BUILD A REAL HOUSE.

BROADER IDEAS:

I AM JUST ONE PERSON WITH LIMITED TIME TO LIVE. WHAT CAN I DO TO IMPROVE THE HOMES, COMMUNITIES, AND LIVES OF COUNTLESS PEOPLE?

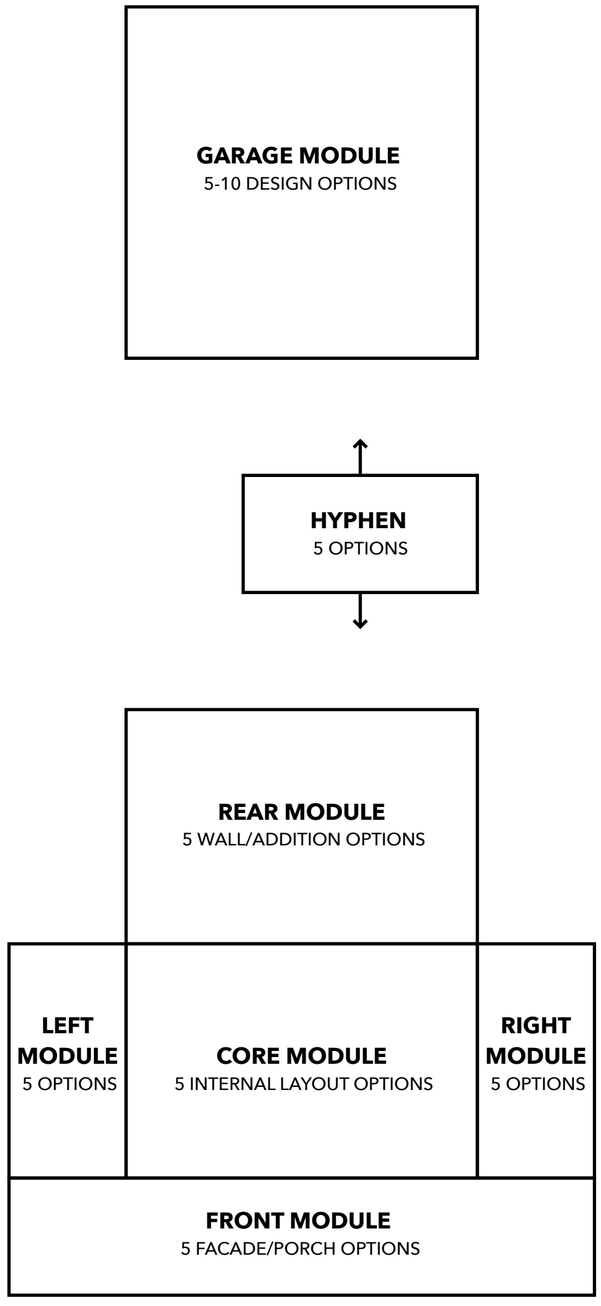
TO FIX A MARKET RUINED BY ARTIFICIAL SCARCITY, TRY RADICAL GENEROSITY.

CHALLENGE THE ZERO-SUM MENTALITY OF MODERN COPYRIGHT CULTURE.

TEST DECENTRALIZED PROCESSES FOR SHARING AND IMPROVING DESIGNS.

IF THIS WERE A GRAD SCHOOL THESIS, WOULD IT BE KILLED BY THE OVER-SPECIALIZATION, FASHION-OBSESSION, AND ANTI-COMMERCIAL BIAS OF ARCHITECTURE'S GATEKEEPERS? WOULD ANY PROFESSORS UNDERSTAND THE SIGNIFICANCE OF A MILLION OPEN-SOURCE HOUSE PLANS?

WRITE A WHITE PAPER?



REVISING THE GRAPHIC STANDARDS

MY OTHER DESIGNS TRY TO FOLLOW CONVENTIONAL ARCHITECTURAL DRAWINGS AS CLOSELY AS POSSIBLE. ANY ARCHITECT WILL EASILY UNDERSTAND THEIR PAGE STRUCTURE.

YET THIS DRAWING SET IS GOING TO BE STRUCTURED DIFFERENTLY. IT NEEDS TO HAVE INTERCHANGEABLE PAGES. THAT WON'T WORK IF IT FOLLOWS THE SAME CENTURY-OLD GRAPHIC STANDARDS. THE PAGE LAYOUT MUST BE REIMAGINED.

FOR INSTANCE, WHEN ARCHITECTS REFERENCE DIAGRAMS, IT LOOKS LIKE "6/A5.5" IN TYPICAL PLAN SETS. THE DIAGRAM NUMBER IS FIRST, AND ITS PAGE NUMBER COMES NEXT. THIS DOESN'T ACTUALLY MAKE ANY SENSE, BECAUSE WE READ LEFT TO RIGHT, AND BROAD INFORMATION SHOULD ALWAYS COMES BEFORE SPECIFIC DETAILS. SO IT WOULD BE BETTER IF DIAGRAMS WERE REFERENCED LIKE A5.5/6

LIKE IN A WEBSITE URL, SUBSETS SHOULD ALWAYS COME AFTER THEIR SETS. EVEN IN WELL-WRITTEN ENGLISH, IT'S BETTER TO SAY "SETS COME BEFORE SUBSETS." IT'S MORE INTUITIVE BECAUSE WE READ LEFT TO RIGHT.

A WEBSITE URL CAN BE INFINITELY LONG, JUST LIKE SOMETHING CAN BE INFINITELY DETAILED. HOWEVER, THE INFORMATION NEEDS TO BE STRUCTURED.

TO TRANSLATE ARCHITECTURAL DRAWINGS INTO A WEBSITE, THEIR PAGE NAMES NEED TO BE ABLE TO BE CONVERTED INTO SUBSETS WITHIN A URL PATH. SO PERIODS, LIKE IN "A5.5", DON'T WORK. ALSO, THE REDUNDANCY OF STARTING WITH "A" ON EACH PAGE MAKES NO SENSE UNLESS THE DRAWING SET CONTAINS THE DRAWINGS OF OTHER PROFESSIONALS, LIKE THE "P" SHEETS OF PLUMBERS.

THE DRAWING SET NEEDS TO BE ORGANIZED SEQUENTIALLY, FROM BROADER IDEAS TO SPECIFIC DETAILS. SIMILAR THINGS NEED TO BE GROUPED TOGETHER.

THE LEVEL OF DETAIL SHOULD BE ABLE TO BE EXPANDED INFINITELY. BUT THIS REQUIRES THAT BROADER IDEAS NEED PLENTY OF SPACE RESERVED AT THE BEGINNING OF THE DRAWING SET. HOW MUCH SPACE IS REQUIRED FOR THE ZERO (0) SERIES? 10 PAGES MINIMUM, 260 PAGES MAXIMUM. A PAGE TITLE AS SMALL AS "04A" SHOULD BE PERFECTLY SUFFICIENT. ADD A DIGIT TO THE END (LIKE "04A2" OR "04/A2") ALLOWS FOR 2600 POTENTIAL DIAGRAMS OR VARIATIONS. MAYBE THE SLASH SHOULD BE USED, LIKE FOR A URL SUBSET.

THE PAGES NEED TO BE SMALLER, LIKE 8.5x11 (A-SIZED) SHEETS, SO THERE ISN'T ANY WASTED SPACE. IT'S EASIER TO PRINT ON A HOME PRINTER, AND EASIER TO READ ON A TABLET WITHOUT ZOOMING IN. LARGE PAGES ARE EASIER TO FORMAT, BUT ALWAYS CAUSE WASTE AND REDUNDANCY. ALSO, DIAGRAMS SHOULD BE BROKEN DOWN INTO SEPARATE ONES BEFORE THEY BECOME OVERLY COMPLEX. THE WHOLE POINT OF DIAGRAMS IS TO COMMUNICATE IDEAS MORE SIMPLY.

I'M CURRENTLY FORMATTING THE WORK ON 17x22 PAGES AND PRINTING HALF-SIZE SO THEY'RE NORMAL-SIZED. THIS ADDS AN EXTRA STEP, AND INCREASES FILE SIZES, SO MAYBE I SHOULD FORMAT THEM THE SAME SIZE THEY'RE USUALLY PRINTED. ARCHITECTURAL DRAWINGS ARE ALMOST ALWAYS PRINTED HALF-SIZE BECAUSE THEY'RE SO BULKY AND EXPENSIVE TO PRINT. THAT'S WHY 22x34 IS A MORE STANDARD SIZE – IT SCALES DOWN TO 11x17 TABLOID-SIZED (A3) SHEETS. EVERY ARCHITECTURE OFFICE CAN CREATE IN-HOUSE PRINTS OF THAT SIZE.

SHOULD THE TITLE BLOCK BE SIMPLIFIED? IT PROBABLY NEEDS A QR CODE, WHICH CAN CONNECT THE PHYSICAL DRAWINGS TO AN ONLINE COUNTERPART. CLICKING ON LINKS WILL MAKE IT EASIER TO NAVIGATE THE PAGES.

THE CALLOUTS SHOULD BE TREATED AS HYPERLINKS. WHY IS THIS NOT ROUTINE IN ARCHITECTURAL DRAWINGS? Probably for the same reason that architects write in ALL CAPS. The mindless conformity and anti-creativity of professional standards. Consistency and coordination are important, but they shouldn't kill innovation.

ALL CAPS should also be reconsidered. In large blocks of text, they're harder to read. And it's like the writer is screaming at you. See for yourself:

THE CALLOUTS SHOULD TAKE A MINIMUM AMOUNT OF SPACE, AND BE DESIGNED TO LOOK LIKE WHAT THEY ARE. A SECTION CALLOUT SHOULD NOT LOOK LIKE AN ELEVATION CALLOUT. I PREFER SECTION MARKERS TO LOOK LIKE AN AXE. MAYBE A LONG DASHED LINE ALSO WORKS. AN ELEVATION MARKER SHOULD LOOK LIKE AN ARROW OR POINTER. COULD THEY LOOK INTUITIVE IN 3D AS WELL?

PERHAPS THE MAIN IMPEDIMENT TO OPEN SOURCE ARCHITECTURE IS THE STEEP LEARNING CURVE OF DESIGN SOFTWARE. I USE SKETCHUP BECAUSE IT'S BETTER THAN THE OTHERS, BUT IT'S STILL NOT PERFECTLY INTUITIVE. THAT'S WHY I WANT TO EXPERIMENT WITH A NEW METHOD OF DESIGN. IF PEOPLE CAN SIMPLY PICK OPTIONS AND PLACE THEM LIKE PUZZLES PIECES, THEY MAY BE ABLE TO QUICKLY DESIGN HOUSES THAT ARE EVEN BETTER THAN THE WORK OF MOST ARCHITECTS.